

ABSTRACT OF THE DISCLOSURE

An error tolerant computer controlled system comprises several computers working redundantly and controlling actuators based on signals from sensors and input devices. Each data item emitted by each computer is simultaneously sent through differing communication paths to each actuator, such that in normal operation each actuator receives each data item through several paths. This system continues to function properly even in case of a failure without requiring any re-routing of the data items, which makes it easier to design, analyze and test and thereby increases its reliability.